

## Pin and Bush coupling



The PalaFlex pin and bush couplings accept parallel, angular and axial misalignment and can provide considerable torsional flexibility.

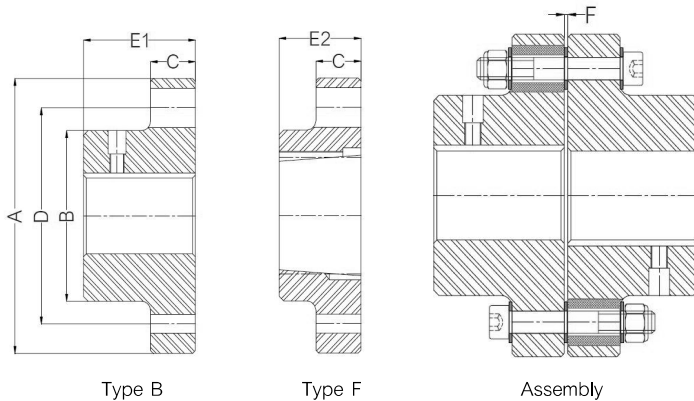
- Vertical or horizontal operation
- 80-90 shore hardness removed and replaced by robust buffer material
- Steel or cast iron hubs
- Brake drum or disc available as well as special designs
- Simple assembly
- Parallel or taper bore options

The PalaFlex pin and bush is non-lubricated flexible couplings capable of accepting parallel, angular and axial misalignment and can provide considerable torsional flexibility. The use of flexible elements of 80 or 90 Shore Hardness (90 Shore as standard) provide the couplings with a range of torsional stiffness characteristics. The ability of these elements to absorb shock and dampen vibration is due to the structure of the material and its behaviour when subjected to fluctuating loads. The couplings are therefore suitable for applications where shock or vibratory loads are encountered.

The flexible elements are always in contact with their mating components and due to their special design properties, they are able to accommodate a generous amount of misalignment even under shock load conditions.

Coupling flanges are supplied in steel up to and including size 380.

Assembly of PalaFlex pin & bush couplings is easily made with simple standard workshop tools (spanner and allen key). Routine maintenance consists of checking alignment periodically, with an occasional check on the wear of flexible elements. Changing elements takes a matter of minutes only.



Coupling Size	Item Code		
	Type BB	Type BF	Type FF
72	12241073		
90	12241095	12242094	12243094
125	12241127	12242125	12243125
145	12241147	12242145	12243145
165	12241167	12242165	12243165
195	12241197	12242195	12243195
240	12241248	12242247	12243247
290	12241298	12242297	12243297
320	12241328	12242327	12243327
350	12241358	12242357	12243357
380	12241388	12242387	12243387

## Dimension Data & Item Code

Coupling Size	Pins pcs	Rating			Bolt No.	Bush No.	Dimension (mm)							Type B			Type F			
		Torque Nm	kW/rpm	Max Speed			A	B	C	D	E1	E2	F	Bore		Mass kg	Bore		TTB	Mass kg
														Max	Min		Max	Min		
72	4	70	0.0073	5000	8	16	72	35	20	51	29	-	2	20	12	1.4				
90	8	280	0.0293	6000	10	19	90	48	20	67	40	25	3	28	16	3	25	9	1108	2.8
125	12	630	0.0659	5800	10	24	125	70	20	94	50	40	3	42	16	5.6	32	11	1215	5.2
145	12	1060	0.1109	5500	12	29	145	80	25	109	65	40	5	50	16	9.5	42	14	1615	8.9
165	12	1500	0.1570	4800	12	29	165	100	25	129	70	47	5	60	22	14	50	14	2012	13.2
195	12	2900	0.3035	4400	16	34	195	120	35	154	90	65	5	75	32	24	60	16	2525	21.7
240	16	5050	0.5285	3600	16	34	240	150	35	188	105	80	5	90	42	44	75	25	3030	39.8
290	16	9300	0.9733	3000	20	42	290	180	50	228	125	91	6	110	60	82	90	35	3535	75.6
320	16	11300	1.1826	2600	20	42	320	210	50	258	151	105	6	130	70	116	100	40	4040	106
350	16	15200	1.5908	2400	24	52	350	225	60	280	161	120	6	140	76	152	110	55	4545	138.4
380	16	16500	1.7268	2200	24	52	380	245	60	304	181	130	6	150	80	194	125	70	5050	176.8